

**SPECIFICATIONS**

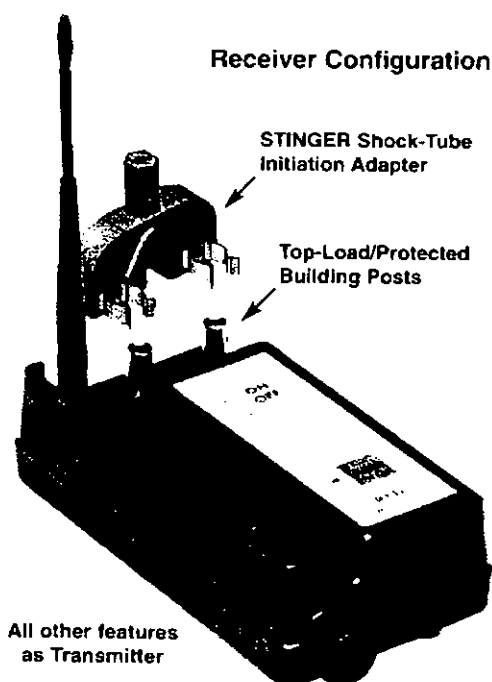
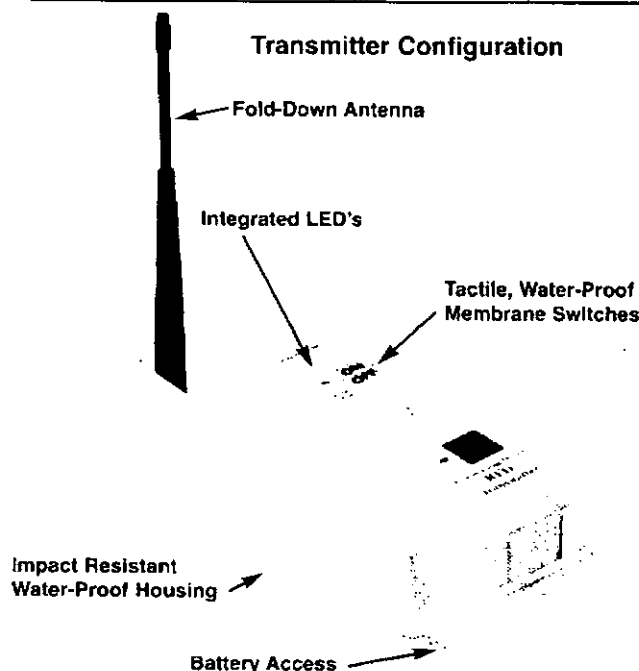
QTY: 8

MRFD-2R (OR EQUIVALENT)

Yellow jacket Military Remote Firing Device with 2 receivers

# MIL-RUGGED REMOTE FIRING DEVICE

## Electric/Shock Tube Initiation



### Features:

- GD-OTS's RFD initiates BOTH **nonel** shock tube AND electric caps and disrupters.
- The powerful shock tube initiator (STI) provides a larger, more powerful flash than conventional STIs to reliably initiate nonel.
- Electric shots receive a strong, 300 volts/3.6 joule current. Compare to a 70-cap blasting machine.
- Each RFD transmitter will permit initiating up to five different shots in sequence per series.
- The number of simultaneous initiations the RFD can perform per shot is unlimited, provided that the operator is equipped with a receiver for every initiation point.
- The wireless command system features frequency-hopping, spread spectrum technology and 64-bit safety/security encryption.
- Each receiver unit is programmed to respond only to commands from the transmitter it is shipped with — for an additional measure of safety and security. When ordering additional or replacement receivers, the new receivers can be properly coded by referencing the transmitter serial number.
- Ruggedized packaging for tactical environments at high and low temperature extremes.

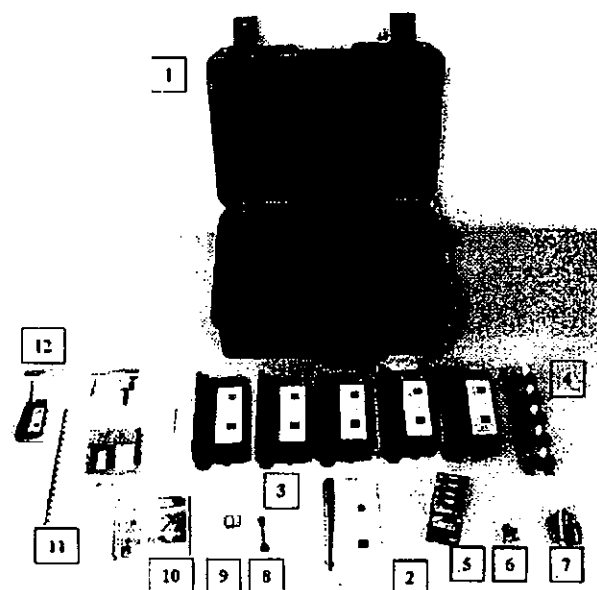
*Encrypted, Frequency-hopping, spread-spectrum radio links maximize range and security.*

<b>Product Specifications</b>	
<b>Physical</b>	
Dimensions	4"W x 2"D x 7.0"L
Weight	Receiver: 1.33lbs. Transmitter: 1.15lbs
<b>Performance</b>	
Usable Range	2.5 miles (4 km) clear LOS (see note 1)
Initiator Output	300 Volts / 3.6 J (90-cap rated)
Arming Time	5 minutes safe separation
Power Source	3 - 1.5V AA commercial alkaline batteries
Battery Life	Transmitter: 7.8 hrs. Receiver Armed: 10.5 hrs (see note 2)
Shock Tube Capable	0.120-inch nominal and 0.150-inch nominal diameter
No. Firing Channels	5
<b>Wireless System</b>	
Frequency	900 MHz (902-928)
Link	Frequency-hopping, spread-spectrum
Security	64-bit digital encryption times 3
Transmitter Power	1W
Antenna Gain	2dBi minimum
Receiver Sensitivity	-100dBm typical @76.8 kbps
FCC Approval	KQL-AC4490
<b>Environment</b>	
Low temperature	Storage: -65°F, Operation: -4°F (see note 3)
High temperature	Storage and Operation: 158°F
Thermal Shock	Rapid transition between - 4°F and 158°F
Drop height	4-ft onto hard concrete, all sides and corners
Moisture Resistant	Yes – waterproof (rain, float)
Vibration	Transportation and Loose Cargo in accordance with MIL-STD-810F, Test Method 514.5

**Notes:**

- 1) Actual range will vary depending upon atmospheric conditions and terrain effects.
- 2) Based on fresh Duracell PRO AA alkaline batteries.
- 3) Commercial batteries may not function properly at this temperature.

**Contents of a MHRFD Kit  
(5-receiver kit shown).**



- 1 - Transportation and Storage Case
- 2 - Transmitter Unit
- 3 - Receiver Units (5 shown)
- 4 - STInger shock tube adapters
- 5 - Commercial AA batteries (3 per module)
- 6 - Compression nuts for 0.15" shock tube  
(1 per receiver)
- 7 - Safe-Arm Key Card on Neck Strap
- 8 - STInger recarbonization kit
- 9 - Receiver number labels
- 10 - Computer Disk; contains User Manual,  
Training Slideshow, Quick Reference Card
- 11 - User Manual
- 12 - Quick Reference Card